

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P731018

Luminaire Tested: **HBLED-LD5-36SE-W-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CL-UNV-L735
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33607.0 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

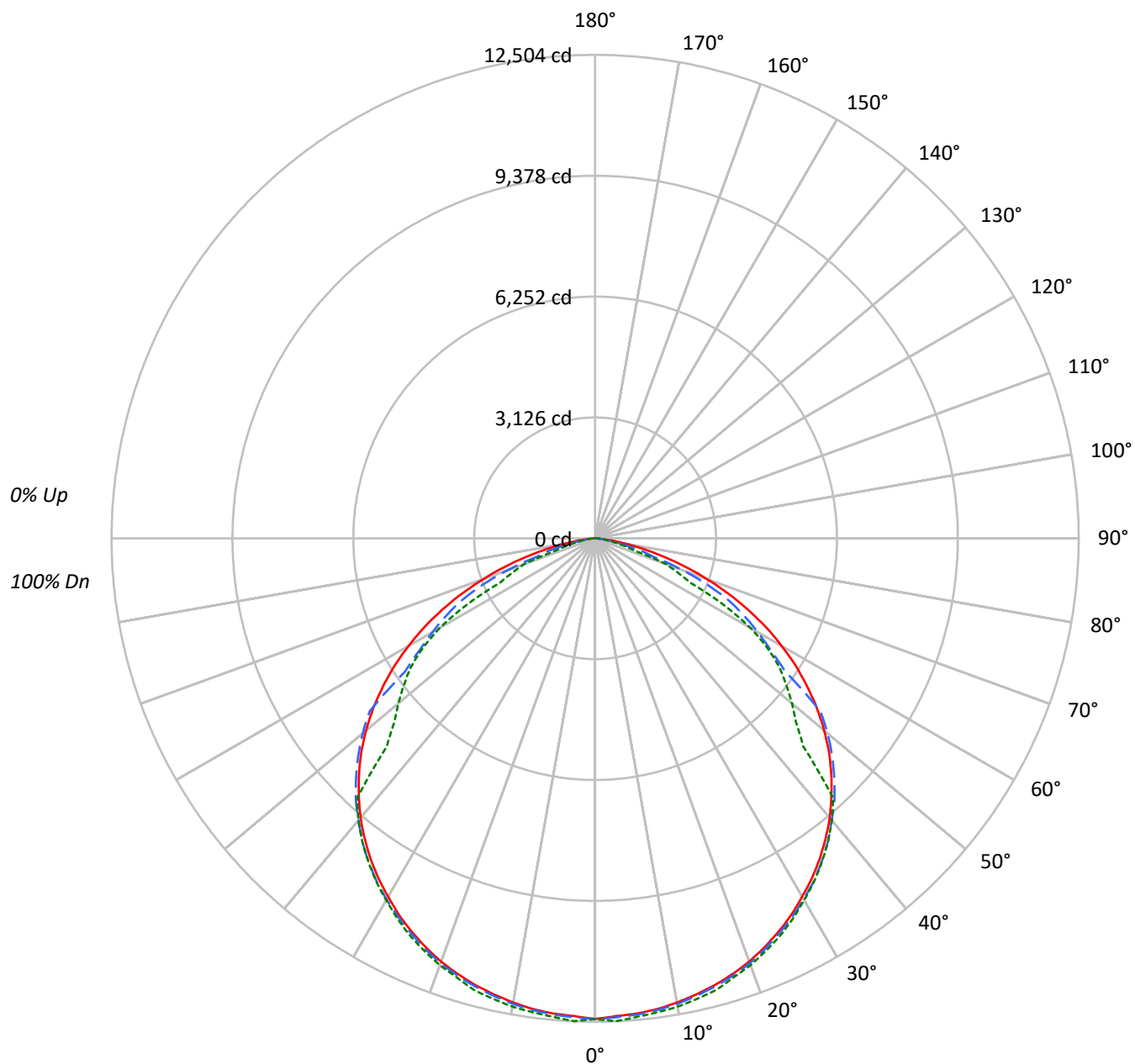
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P731018

CATALOG NUMBER: HBLED-LD5-36SE-W-CL-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P731018

CATALOG NUMBER: HBLED-LD5-36SE-W-CL-UNV-L735

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20071	20071	20071
5°	19998	20042	20140
10°	19996	20053	20170
15°	19995	20055	20217
20°	20020	20095	20189
25°	19997	20072	20194
30°	19959	20106	20151
35°	19950	20132	20147
40°	19888	20063	20063
45°	19717	19956	17387
50°	19413	19705	16683
55°	18862	16868	16387
60°	17977	15680	14971
65°	16625	14555	10368
70°	14476	11326	9238
75°	11435	7601	4966
80°	7360	3631	3095
85°	3029	2216	2438



TEST NUMBER: P731018

CATALOG NUMBER: HBLED-LD5-36SE-W-CL-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1179.2	3.5
10°-20°	3398.9	10.1
20°-30°	5211.0	15.5
30°-40°	6386.8	19.0
40°-50°	6566.2	19.5
50°-60°	5603.9	16.7
60°-70°	3704.9	11.0
70°-80°	1372.6	4.1
80°-90°	183.6	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9789.0	29.1
0°-40°	16175.9	48.1
0°-60°	28346.0	84.3
0°-90°	33607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12431	12431	12431	12431	12431	
5°	12339	12425	12366	12414	12426	###
15°	11962	12035	11998	12089	12095	3379
25°	11225	11284	11267	11369	11335	5175
35°	10121	10191	10214	10277	10221	6331
45°	8635	8721	8740	8726	7615	6655
55°	6701	6823	5992	5818	5821	5979
65°	4352	4388	3810	3133	2714	4291
75°	1833	1606	1218	819	796	1966
85°	164	117	120	130	132	270
90°	0	0	0	0	0	



TEST NUMBER: P731018

CATALOG NUMBER: HBLED-LD5-36SE-W-CL-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12431.1	12431.1	12431.1	12431.1	12431.1
2.5°	12370.5	12447.8	12402.3	12459.8	12503.7
5°	12338.8	12425.0	12366.0	12414.4	12426.5
7.5°	12284.3	12364.5	12310.0	12373.6	12364.5
10°	12196.5	12269.1	12231.3	12298.0	12302.4
12.5°	12084.5	12157.1	12122.3	12204.0	12202.5
15°	11961.8	12034.6	11998.1	12089.1	12095.1
17.5°	11818.1	11884.7	11857.4	11940.7	11907.3
20°	11651.5	11709.1	11695.4	11774.2	11749.9
22.5°	11447.2	11506.3	11492.7	11583.5	11547.1
25°	11224.8	11283.8	11267.1	11368.6	11335.3
27.5°	10984.2	11040.0	11038.5	11134.0	11082.5
30°	10705.6	10779.8	10784.4	10869.1	10808.5
32.5°	10430.2	10499.7	10519.5	10581.6	10530.1
35°	10121.4	10190.9	10213.7	10277.3	10221.3
37.5°	9788.3	9847.4	9888.2	9935.1	9891.3
40°	9435.7	9488.7	9519.0	9576.4	9519.0
42.5°	9042.2	9117.9	9160.3	9201.1	9107.3
45°	8635.0	8721.2	8739.5	8725.8	8614.8
47.5°	8203.7	8297.5	8308.1	8245.6	8141.3
50°	7728.4	7846.5	7845.0	7696.0	7641.7
52.5°	7233.5	7347.0	7342.5	7266.3	7230.0
55°	6700.6	6823.3	6992.2	6818.3	6821.3
57.5°	6157.3	6245.0	6376.3	6383.8	6283.9
60°	5567.0	5650.2	5855.6	5808.7	5636.1
62.5°	4975.2	5010.0	5351.6	5123.0	5094.6
65°	4351.6	4387.9	4809.8	4133.1	4113.8
67.5°	3711.4	3747.7	4161.8	3330.9	3299.1
70°	3066.5	2769.8	2399.1	1942.0	1957.0
72.5°	2430.8	2128.1	1568.1	1504.5	1086.7
75°	1833.0	1605.9	1218.5	818.9	796.1
77.5°	1276.0	1106.4	652.3	558.5	522.2
80°	791.6	555.5	390.5	346.6	332.9
82.5°	401.1	319.4	211.9	211.9	211.9
85°	163.5	116.6	119.6	130.1	131.6
87.5°	34.8	46.9	57.5	59.1	57.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)